Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently Amended) A system based on a storage array network (SAN), in which the system comprising:

a plurality of hosts configured to share a large network storage, and

wherein an original mapping table and a snapshot mapping table are being stored in the same disk at a layout of a disk configuring of a logical volume in the network storage,

wherein a snapshot volume is added, and a data block is allocated on the same disk if a copy-on-write (COW) operation is carried out, and

wherein a mapping entry of the original mapping table includes a physical data block information and a snapshot status information.

- 2. (Cancelled)
- (Original) The system according to claim 2, wherein the snapshot status information of the mapping entry is a snapshot status bit (SSB) and a first allocation bit (FAB).
 - 4-6. (Cancelled)
- (New) A storage array network (SAN) system comprising:

 a plurality of hosts configured to share a large network storage;
 an original mapping table stored in a disk of a logical volume in the network storage;

 and

a snapshot mapping table stored in the same disk of the logical volume in the network storage;

wherein a snapshot volume is added, and a data block is allocated on the same disk if a copy-on-write (COW) operation is carried out, and

wherein a mapping entry of the original mapping table includes a physical data block information and a snapshot status bit (SSB) and a first allocation bit (FAB).